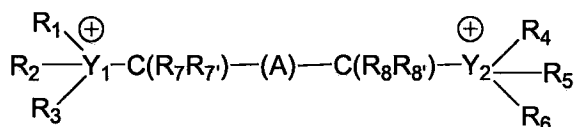


## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the above identified application.

### Listing of Claims:

1. (Currently Amended): ~~A compound of~~ bis-cationic compound wherein the bis-cation of the compound is of Formula (I)



(I)

wherein:

(1) Y<sub>1</sub> and Y<sub>2</sub> may be the same or different and are independently selected from N and P;

R<sub>1</sub> to R<sub>6</sub> may be the same or different and are independently selected from the group consisting of optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxyC<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>; or

R<sub>1</sub> and R<sub>2</sub> together with the Y<sub>1</sub> group to which they are attached, or R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> together with the Y<sub>1</sub> group to which they are attached may optionally form a heterocycloalkyl group; and R<sub>4</sub> and R<sub>5</sub> together with the Y<sub>2</sub> group to which they are attached, or R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together with the Y<sub>2</sub> group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxy C<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>;

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R<sub>7</sub>, R<sub>7'</sub>, R<sub>8</sub> and R<sub>8'</sub> may be the same or different and are independently selected from hydrogen, F and Cl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted alkynylene, optionally substituted phenyl, optionally substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

and when Y<sub>1</sub> = Y<sub>2</sub> = N, A comprises one or more groups selected from substituted alkylene, substituted alkenylene, substituted alkynylene, substituted phenyl, substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>4-6</sub> alkyl, C<sub>4-6</sub> alkenyl, C<sub>4-6</sub> alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

and when Y<sub>1</sub> = Y<sub>2</sub> = P, A comprises one or more groups selected from substituted alkylene, substituted alkenylene, substituted alkynylene, substituted phenyl, substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

and when A is -CH<sub>2</sub>-C(O)PhCH<sub>2</sub>CH<sub>2</sub>-Ph-C(O)-CH<sub>2</sub>-, and R<sub>1</sub> and R<sub>4</sub> are hydroxy substituted ethyl, then one of R<sub>2</sub>, R<sub>3</sub>, R<sub>5</sub> and R<sub>6</sub> is different;

~~and salts thereof;~~

or:

(2) Y<sub>1</sub> and Y<sub>2</sub> may be the same or different and are independently selected from N and P;

R<sub>1</sub> to R<sub>6</sub> may be the same or different and are independently selected from the group consisting of optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxyC<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>; or

R<sub>1</sub> and R<sub>2</sub> together with the Y<sub>1</sub> group to which they are attached, or R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> together with the Y<sub>1</sub> group to which they are attached may optionally form a heterocycloalkyl group; and R<sub>4</sub> and R<sub>5</sub> together with the Y<sub>2</sub> group to which they are attached, or R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together with the Y<sub>2</sub> group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxy C<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>;

R<sub>7</sub>, R<sub>7'</sub>, R<sub>8</sub> and R<sub>8'</sub> may be the same or different and are independently selected from F and Cl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted alkynylene, optionally substituted phenyl, optionally substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub>

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alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

~~and salts thereof,~~

or:

(3) Y<sub>1</sub> and Y<sub>2</sub> are both nitrogen;

R<sub>1</sub> to R<sub>6</sub> may be the same or different and are independently selected from the group consisting of substituted C<sub>1-10</sub> alkyl, substituted C<sub>2-10</sub> alkenyl, substituted C<sub>2-10</sub> alkynyl, substituted C<sub>3-10</sub> cycloalkyl, substituted aryl, substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from C<sub>4-6</sub> alkyl, C<sub>4-6</sub> alkenyl, C<sub>4-6</sub> alkynyl, hydroxyl, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxyC<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>;

R<sub>7</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>8</sub> may be the same or different and are independently selected from hydrogen, F and Cl;

R<sub>1</sub> and R<sub>2</sub> together with the Y<sub>1</sub> group to which they are attached, or R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> together with the Y<sub>1</sub> group to which they are attached may optionally form a heterocycloalkyl group; and

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R<sub>4</sub> and R<sub>5</sub> together with the Y<sub>2</sub> group to which they are attached, or R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together with the Y<sub>2</sub> group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxy C<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted alkynylene, optionally substituted phenyl, optionally substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

wherein when -C(R<sub>7</sub>R<sub>7'</sub>)-(A)-(CR<sub>8</sub>R<sub>8'</sub>)- is 9, 10, 11 or 12 alkylene groups and when R<sub>1</sub>, R<sub>2</sub> and Y<sub>1</sub> form a heterocycloalkyl group and when R<sub>4</sub>, R<sub>5</sub> and Y<sub>2</sub> form a heterocycloalkyl group, then R<sub>3</sub> and R<sub>6</sub> are different; and

wherein when  $-C(R_7R_7')-(A)-(CR_8R_8')$  is 9, 10 or 12 alkylene groups and  $R_1$ ,  $R_2$ ,  $R_3$  and  $Y_1$  form a bicyclic group, then  $R_1$ ,  $R_2$ ,  $R_3$  and  $Y_1$  together are different to  $R_4$ ,  $R_5$ ,  $R_6$  and  $Y_2$  when taken together;

~~and salts thereof;~~

or:

(4)  $Y_1$  and  $Y_2$  are both nitrogen;

$R_1$  to  $R_6$  may be the same or different and are independently selected from the group consisting of optionally substituted  $C_{1-10}$  alkyl, optionally substituted  $C_{2-10}$  alkenyl, optionally substituted  $C_{2-10}$  alkynyl, optionally substituted  $C_{3-10}$  cycloalkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, halogen,  $O(C_{1-6}$  alkyl),  $C(O)O(C_{1-6}$  alkyl),  $OC(O)(C_{1-6}$  alkyl),  $NO_2$ , amino, hydroxy $C_{1-6}$  alkyl, aryl,  $OC(O)Ph$ , and  $=C(Ph)_2$ ; or

$R_1$  and  $R_2$  together with the  $Y_1$  group to which they are attached, or  $R_1$ ,  $R_2$  and  $R_3$  together with the  $Y_1$  group to which they are attached may optionally form a heterocycloalkyl group; and  $R_4$  and  $R_5$  together with the  $Y_2$  group to which they are attached, or  $R_4$ ,  $R_5$  and  $R_6$  together with the  $Y_2$  group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, hydroxyl, halogen,  $O(C_{1-6}$  alkyl),  $C(O)O(C_{1-6}$  alkyl),  $OC(O)(C_{1-6}$  alkyl),  $NO_2$ , amino, hydroxy  $C_{1-6}$  alkyl, aryl,  $OC(O)Ph$ , and  $=C(Ph)_2$ ;

$R_7$ ,  $R_7'$ ,  $R_8$  and  $R_8'$  may be the same or different and are independently selected from hydrogen, F and Cl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted alkynylene, optionally substituted phenyl, optionally substituted  $C_{5-7}$  cycloalkyl, and  $-C(O)-$ , wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, hydroxyl, halogen,  $NO_2$ ,  $C(O)R_{10}$ ,  $OR_{11}$ ,  $CH_2OR_{11}$ ,  $CH_2NR_{12}R_{13}$ ,  $SR_{11}$ ,  $NR_{12}R_{13}$ ,  $CONR_{12}R_{13}$ , amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

$R_{10}$  is selected from OH,  $OR_{11}$ ,  $C_{1-6}$  alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

wherein when -C(R<sub>7</sub>R<sub>7'</sub>)-(A)-(CR<sub>8</sub>R<sub>8'</sub>)- is 12 alkylene groups, one of R<sub>1</sub> to R<sub>6</sub> is different; and

wherein when -C(R<sub>7</sub>R<sub>7'</sub>)-(A)-(CR<sub>8</sub>R<sub>8'</sub>)- is 10 alkylene groups and four of R<sub>1</sub> to R<sub>6</sub> are C<sub>1-3</sub> alkyl, the remaining two of R<sub>1</sub> to R<sub>6</sub> are different; and

wherein when -C(R<sub>7</sub>R<sub>7'</sub>)-(A)-(CR<sub>8</sub>R<sub>8'</sub>)- is 9, 10, 11 or 12 alkylene groups and when R<sub>1</sub>, R<sub>2</sub> and Y<sub>1</sub> form a heterocycloalkyl group and when R<sub>4</sub>, R<sub>5</sub> and Y<sub>2</sub> form a heterocycloalkyl group, then R<sub>3</sub> and R<sub>6</sub> are different; and

wherein when -C(R<sub>7</sub>R<sub>7'</sub>)-(A)-(CR<sub>8</sub>R<sub>8'</sub>)- is 9, 10 or 12 alkylene groups and R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and Y<sub>1</sub> form a bicyclic group, then R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and Y<sub>1</sub> together are different to R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and Y<sub>2</sub> when taken together;

~~and salts thereof~~

or:

(5) Y<sub>1</sub> and Y<sub>2</sub> are both nitrogen;

R<sub>1</sub> to R<sub>6</sub> may be the same or different and are independently selected from the group consisting of optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted

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heterocycloalkyl, wherein said substituents are independently selected from C<sub>4-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxyC<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>; or

R<sub>1</sub> and R<sub>2</sub> together with the Y<sub>1</sub> group to which they are attached, or R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> together with the Y<sub>1</sub> group to which they are attached may optionally form a heterocycloalkyl group; and R<sub>4</sub> and R<sub>5</sub> together with the Y<sub>2</sub> group to which they are attached, or R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together with the Y<sub>2</sub> group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups is substituted with one or more groups selected from C<sub>4-6</sub> alkyl, C<sub>4-6</sub> alkenyl, C<sub>4-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxy C<sub>4-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>;

R<sub>7</sub>, R<sub>7'</sub>, R<sub>8</sub> and R<sub>8'</sub> may be the same or different and are independently selected from hydrogen, F and Cl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted alkynylene, optionally substituted phenyl, optionally substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

~~and salts thereof;~~

wherein when  $-C(R_7R_7')-(A)-(CR_8R_8')$  is 12 alkylene groups, one of R<sub>1</sub> to R<sub>6</sub> is different; and

wherein when  $-C(R_7R_7')-(A)-(CR_8R_8')$  is 10 alkylene groups and four of R<sub>1</sub> to R<sub>6</sub> are C<sub>1-3</sub> alkyl, the remaining two of R<sub>1</sub> to R<sub>6</sub> are different; and

wherein when  $-C(R_7R_7')-(A)-(CR_8R_8')$  is 9, 10 or 12 alkylene groups and R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and Y<sub>1</sub> form a bicyclic group, then R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and Y<sub>1</sub> together are different to R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and Y<sub>2</sub> when taken together;

or:

(6) Y<sub>1</sub> and Y<sub>2</sub> are both P;

R<sub>1</sub> to R<sub>6</sub> may be the same or different and are independently selected from the group consisting of optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxyC<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>; wherein at least one of R<sub>1</sub> to R<sub>6</sub> is substituted; or

R<sub>1</sub> and R<sub>2</sub> together with the Y<sub>1</sub> group to which they are attached, or R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> together with the Y<sub>1</sub> group to which they are attached may optionally form a heterocycloalkyl group; and R<sub>4</sub> and R<sub>5</sub> together with the Y<sub>2</sub> group to which they are attached, or R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together with the Y<sub>2</sub> group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxy C<sub>1-6</sub> alkyl, aryl, OC(O)Ph, and =C(Ph)<sub>2</sub>;

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R<sub>7</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>8</sub> may be the same or different and are independently selected from hydrogen, F and Cl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted alkynylene, optionally substituted phenyl, optionally substituted C<sub>5-7</sub> cycloalkyl, and -C(O)-, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, and optionally substituted aralkyl, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen;

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aralkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>;

provided that the compound of formula (I) is not selected from the following:

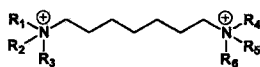
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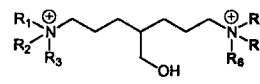
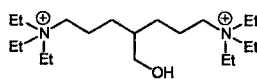
R1 = R2 = R3 = R4 = R5 = R6 = Me, Et, allyl

R1 = R2 = R4 = R5 = Me, R3 = R6 = Et, Pr

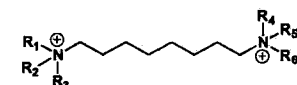
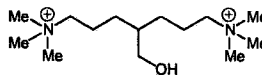
R1 = R2 = R4 = R5 = Et, R3 = R6 = Me

R1 = R2 = R4 = R5 = Pr, R3 = R6 = Me

R1 = R2 = R4 = R5 = allyl, R3 = R6 = Me



R1 = R2 = R4 = R5 = Me, R3 = R6 = Pr  
R1 = R2 = R4 = R5 = Pr, R3 = R6 = Me

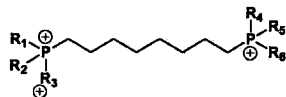


R1 = R2 = R3 = R4 = R5 = R6 = Me, Et, Pr, Bu, pentyl, allyl

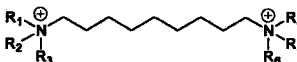
R1 = R2 = R4 = R5 = Me, R3 = R6 = Pr, Bu, Decyl

R1 = R4 = Me, R2 = R3 = R5 = R6 = Hexyl, allyl

R1 = R4 = Me, R2 = R5 = Bu, R3 = R6 = octyl



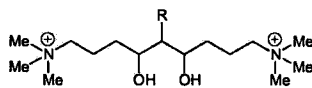
R1 = R2 = R3 = R4 = R5 = R6 = n-Bu, t-Bu, octyl



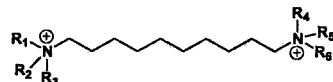
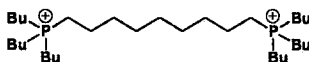
R1 = R2 = R3 = R4 = R5 = R6 = Me, Et, allyl

R1 = R2 = R4 = R5 = Me, R3 = R6 = Pr, pentyl

R1 = R2 = R4 = R5 = allyl, R3 = R6 = Et



R = Pr, H, pentyl, hexyl, butyl, Me, Et

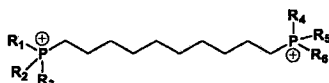
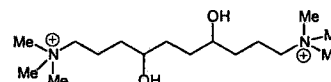
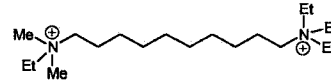
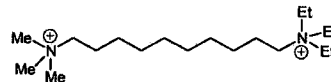
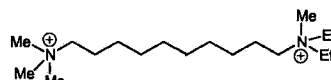


R1 = R2 = R3 = R4 = R5 = R6 = Me, Pr, pentyl, butyl, allyl, ethyl, hexyl

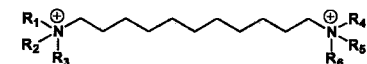
R1 = R2 = R3 = R4 = R5 = R6 = Bu, Et, hexyl, heptyl, pentyl, propyl, decyl, i-Pr, octyl

R1 = R4 = Me, R2 = R3 = R5 = R6 = allyl, ethyl

R1 = R2 = R4 = R5 = Et, R3 = R6 = hexyl

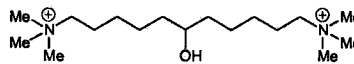


R1 = R2 = R3 = R4 = R5 = R6 = Me, Et, Bu, octyl



R1 = R2 = R3 = R4 = R5 = R6 = Me, Et

R1 = R2 = R4 = R5 = Me, R3 = R6 = pentyl



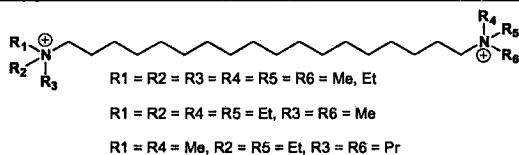
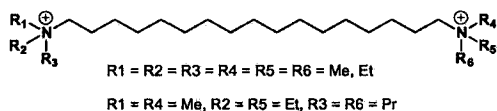
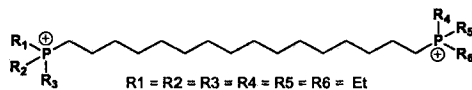
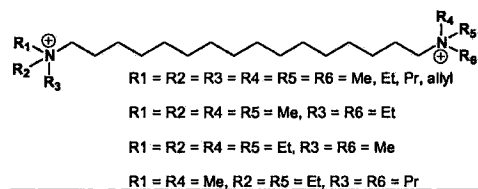
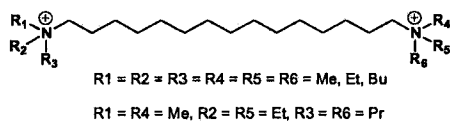
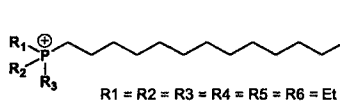
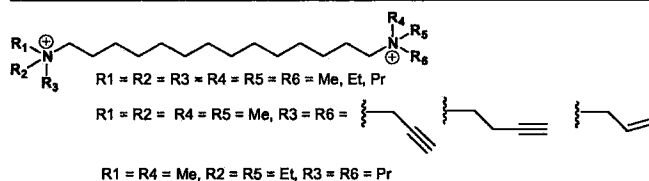
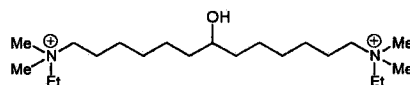
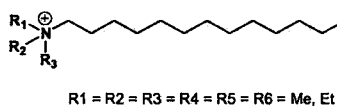
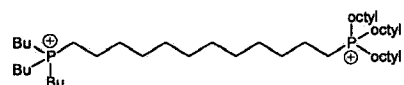
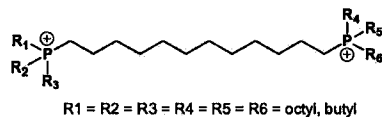
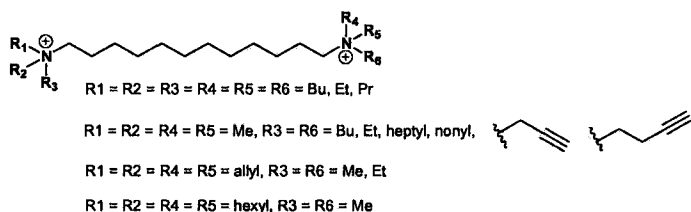
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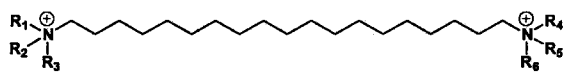
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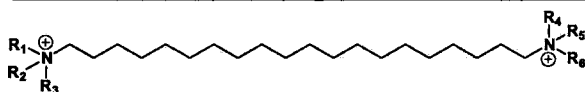
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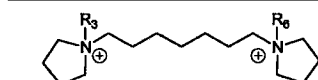
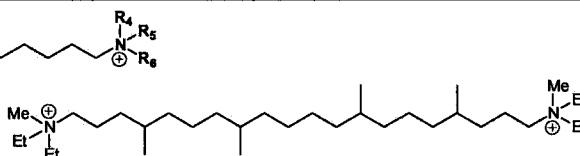


R1 = R2 = R3 = R4 = R5 = R6 = Me, Et

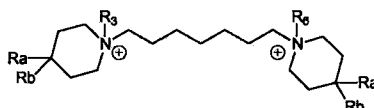
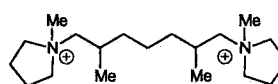


R1 = R2 = R3 = R4 = R5 = R6 = Me, Et, Pr

R1 = R4 = Me, R2 = R5 = Et, R3 = R6 = Pr

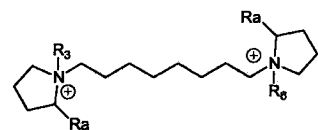
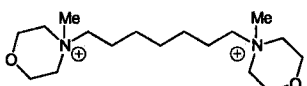


R3 = R6 = Me, Bu



R3 = R6 = Me; Ra, Rb = H

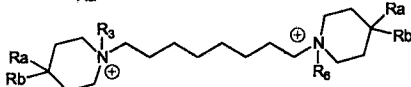
R3 = R6 = Me, Ra = Ph, Rb = CO<sub>2</sub>Et



R3 = R6 = Me, Ra = H

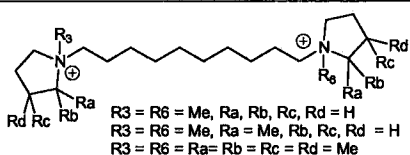
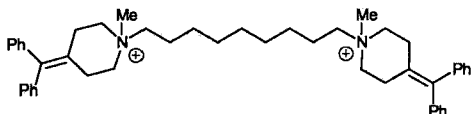
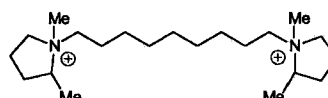
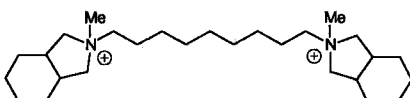
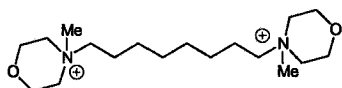
R3 = R6 = Me, Ra = Me

R3 = R6 = Me, Ra = Et



R3 = R6 = Me, Ra = Ph, Rb = CO<sub>2</sub>Et

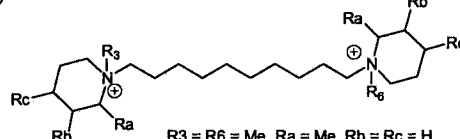
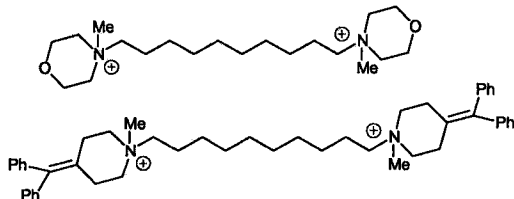
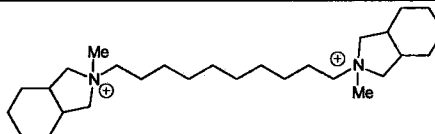
R3 = R6 = Me, Ra, Rb =



R3 = R6 = Me, Ra, Rb, Rc, Rd = H

R3 = R6 = Me, Ra = Me, Rb, Rc, Rd = H

R3 = R6 = Me, Ra = Rb = Rc = Rd = Me



R3 = R6 = Me, Ra = Me, Rb = Rc = H

R3 = R6 = Me, Ra = Et, Rb = Rc = H

R3 = R6 = Et, Ra = H, Rb = OH, Rc = H

R3 = R6 = Me, Ra = Rb = Rc = H

R3 = R6 = Me, Ra = Rb = Rc = H

R3 = R6 = Me, Ra = H, Rb = OC(=O)Pr, Rc = H

R3 = R6 = Me, Ra = H, Rb = OAc, Rc = H

R3 = R6 = Me, Ra = Rb = H, Rc = OC(O)Ph

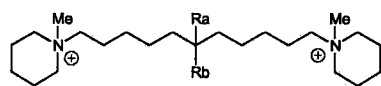
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Examiner: Binta M. Robinson

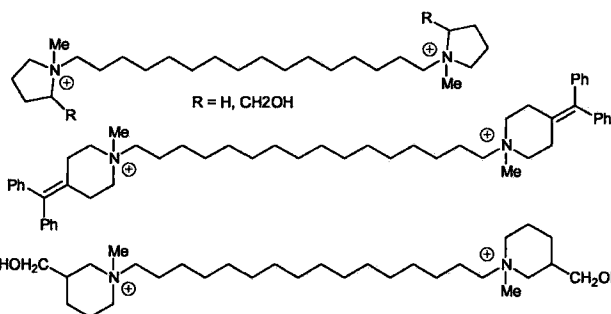
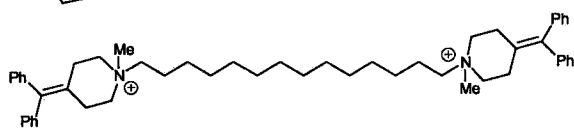
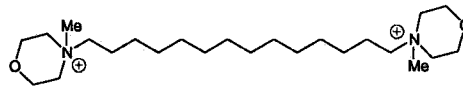
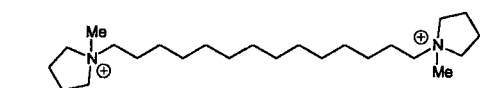
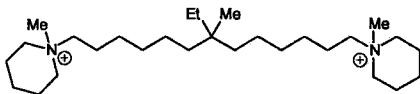
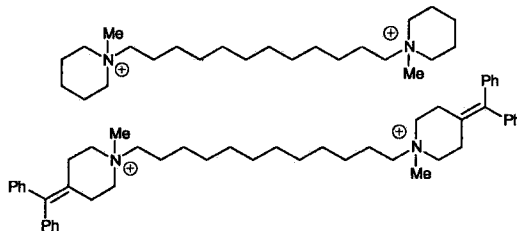
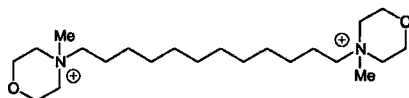
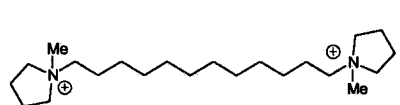
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Applicant(s): Widmer *et al.*

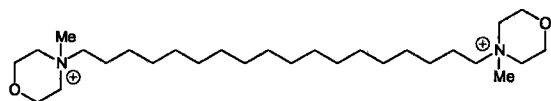
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Ra,Rb = H  
Ra = Me, Rb = Et



R = H, CH<sub>2</sub>OH



2. (Previously Presented): A compound according to claim 1, wherein Y<sub>1</sub> and Y<sub>2</sub> are each N.

3. (Previously Presented): A compound according to claim 1, wherein Y<sub>1</sub> and Y<sub>2</sub> are different.

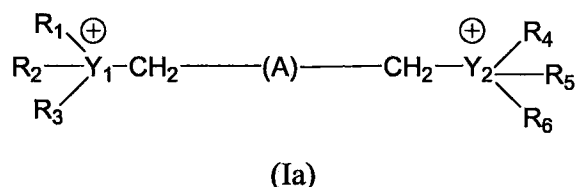
4. (Previously Presented): A compound according to claim 1, wherein R<sub>1</sub> to R<sub>6</sub> are independently selected from the group consisting of optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>1-10</sub> alkylene, optionally substituted aryl, and optionally substituted heterocycloalkyl, or

R<sub>1</sub> and R<sub>2</sub> together with the Y<sub>1</sub> group to which they are attached, or R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> together with the Y<sub>1</sub> group to which they are attached form a heterocycloalkyl group; and R<sub>4</sub> and R<sub>5</sub> together with the Y<sub>2</sub> group to which they are attached, or R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together with the Y<sub>2</sub> group to which they are attached form a heterocycloalkyl group; wherein said optional substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, hydroxyl, halogen, O(C<sub>1-6</sub> alkyl), C(O)O(C<sub>1-6</sub> alkyl), OC(O)(C<sub>1-6</sub> alkyl), NO<sub>2</sub>, amino, hydroxy C<sub>1-6</sub> alkyl, and aryl.

5. (Previously Presented): A compound according to claim 1, wherein A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted phenyl, and -C(O)-, wherein the substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, hydroxyl, halogen, NO<sub>2</sub>, C(O)R<sub>10</sub>, OR<sub>11</sub>, CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl.

6. (Previously Presented): A compound according to claim 1, wherein the length of A is from 5 to 9 carbon atoms.

7. (Currently Amended): A compound according to claim 1, ~~of Formula (Ia)~~ wherein the bis-cation of the compound is of Formula (Ia):



wherein

$\text{Y}_1$  and  $\text{Y}_2$  may be the same or different and are independently selected from N and P;

$\text{R}_1$  to  $\text{R}_6$  may be the same or different and are independently selected from the group consisting of optionally substituted  $\text{C}_{1-10}$  alkyl, optionally substituted  $\text{C}_{2-10}$  alkenyl, optionally substituted  $\text{C}_{2-10}$  alkynyl, optionally substituted  $\text{C}_{3-10}$  cycloalkyl, optionally substituted aryl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl, hydroxyl, halogen,  $\text{O}(\text{C}_{1-6}$  alkyl),  $\text{C}(\text{O})\text{O}(\text{C}_{1-6}$  alkyl),  $\text{NO}_2$ , amino, hydroxy  $\text{C}_{1-6}$  alkyl, aryl, and  $\text{OC}(\text{O})\text{Ph}$ ; or

$\text{R}_1$  and  $\text{R}_2$  together with the  $\text{Y}_1$  group to which they are attached may optionally form a heterocycloalkyl group; and  $\text{R}_4$  and  $\text{R}_5$  together with the  $\text{Y}_2$  group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl, hydroxyl, halogen,  $\text{O}(\text{C}_{1-6}$  alkyl),  $\text{C}(\text{O})\text{O}(\text{C}_{1-6}$  alkyl), amino, hydroxy  $\text{C}_{1-6}$  alkyl, and aryl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, and optionally substituted phenyl, wherein the length of A is from 5 to 18 carbon atoms, and wherein the substituents are independently selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl,  $\text{C}_{2-6}$  alkynyl, halogen,  $\text{C}(\text{O})\text{R}_{10}$ ,  $\text{OR}_{11}$ ,  $\text{SR}_{11}$ ,  $\text{CH}_2\text{OR}_{11}$ ,  $\text{CH}_2\text{NR}_{12}\text{R}_{13}$ ,  $\text{NR}_{12}\text{R}_{13}$ ,  $\text{CONR}_{12}\text{R}_{13}$ , amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

$\text{R}_{10}$  is selected from OH,  $\text{OR}_{11}$ ,  $\text{C}_{1-6}$  alkyl;

$\text{R}_{11}$  is selected from the group consisting of hydrogen, optionally substituted  $\text{C}_{1-10}$  alkyl, optionally substituted  $\text{C}_{2-10}$  alkenyl, optionally substituted  $\text{C}_{2-10}$  alkynyl, and optionally substituted  $\text{C}_{3-10}$  cycloalkyl, wherein said optional substituents are independently selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl, aryl, and hydroxyl;

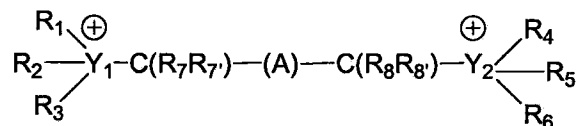
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R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted alkylheteroaryl, wherein said substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, aryl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>  
~~and salts thereof.~~

8. (Previously Presented): A compound according to claim 1, selected from 1,11-bis-(tributylammonium)undecane, 1,16-bis-(tributylammonium)hexadecane, 1,12-bis-(tripentylammonium)dodecane, 1,12-bis-(triethylammonium)dodecane, 1,12-bis-(trioctylammonium)dodecane, 1,12-bis-(triisobutylammonium)dodecane, 1,12-bis-(triisopentylammonium)dodecane, and 1,12-bis-(1-butylpyrrolidinium)dodecane, ~~and salts thereof.~~

9. (Withdrawn): A method for one or more of treating, inhibiting, and preventing a bacterial or fungal infection in a vertebrate, said method comprising administering to said vertebrate an effective amount of at least one compound of Formula (II):



(II)

wherein

$\text{Y}_1$  and  $\text{Y}_2$  may be the same or different and are independently selected from N and P;

$\text{R}_1$  to  $\text{R}_6$  may be the same or different and are independently selected from the group consisting of optionally substituted  $\text{C}_{1-10}$  alkyl, optionally substituted  $\text{C}_{2-10}$  alkenyl, optionally substituted  $\text{C}_{2-10}$  alkynyl, optionally substituted  $\text{C}_{3-10}$  cycloalkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heterocycloalkyl, wherein said substituents are independently selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl,  $\text{C}_{2-6}$  alkynyl, hydroxyl, halogen,  $\text{O}(\text{C}_{1-6}$  alkyl),  $\text{C}(\text{O})\text{O}(\text{C}_{1-6}$  alkyl),  $\text{NO}_2$ , amino, hydroxy  $\text{C}_{1-6}$  alkyl, aryl,  $\text{OC}(\text{O})\text{Ph}$ , and  $=\text{C}(\text{Ph})_2$ ; or

$\text{R}_1$  and  $\text{R}_2$  together with the  $\text{Y}_1$  group to which they are attached, or  $\text{R}_1$ ,  $\text{R}_2$  and  $\text{R}_3$  together with the  $\text{Y}_1$  group to which they are attached may optionally form an heterocycloalkyl group; and  $\text{R}_4$  and  $\text{R}_5$  together with the  $\text{Y}_2$  group to which they are attached, or  $\text{R}_4$ ,  $\text{R}_5$  and  $\text{R}_6$  together with the  $\text{Y}_2$  group to which they are attached may optionally form a heterocycloalkyl group; wherein each of said heterocycloalkyl groups may be optionally substituted with one or more groups selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl,  $\text{C}_{2-6}$  alkynyl, hydroxyl, and halogen,  $\text{O}(\text{C}_{1-6}$  alkyl),  $\text{C}(\text{O})\text{O}(\text{C}_{1-6}$  alkyl),  $\text{NO}_2$ , amino, hydroxy  $\text{C}_{1-6}$  alkyl, aryl, and  $=\text{C}(\text{Ph})_2$ ;

$\text{R}_7$ ,  $\text{R}_{7'}$ ,  $\text{R}_8$  and  $\text{R}_{8'}$  may be the same or different and are independently selected from hydrogen, F and Cl;

A comprises one or more groups selected from optionally substituted alkylene, optionally substituted alkenylene, optionally substituted phenyl, optionally substituted  $\text{C}_{5-7}$  cycloalkyl, and  $-\text{C}(\text{O})-$ , wherein the length of A is from 4 to 18 carbon atoms, wherein the substituents are independently selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl, hydroxyl, halogen, nitro,  $\text{C}(\text{O})\text{R}_{10}$ ,  $\text{OR}_{11}$ ,

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CH<sub>2</sub>OR<sub>11</sub>, CH<sub>2</sub>NR<sub>12</sub>R<sub>13</sub>, SR<sub>11</sub>, NR<sub>12</sub>R<sub>13</sub>, CONR<sub>12</sub>R<sub>13</sub>, amino acids, dipeptidyl, tripeptidyl, tetrapeptidyl and pentapeptidyl;

R<sub>10</sub> is selected from OH, OR<sub>11</sub>, C<sub>1-6</sub> alkyl, optionally substituted amino-C<sub>1-6</sub>-alkylsulfonate, optionally substituted amino-C<sub>1-6</sub>-alkylphosphonate, optionally substituted amino-C<sub>1-6</sub>-alkyl-guanidiny, and optionally substituted amino-C<sub>1-6</sub>-alkyl-tri(C<sub>1-6</sub>-alkyl)ammonium;

R<sub>11</sub> is selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted aryl, optionally substituted arylalkyl, optionally substituted amino-C<sub>1-6</sub>-alkylsulfonate, optionally substituted amino-C<sub>1-6</sub>-alkylphosphonate, optionally substituted amino-C<sub>1-6</sub>-alkyl-guanidiny, and optionally substituted amino-C<sub>1-6</sub>-alkyl-tri(C<sub>1-6</sub>-alkyl)ammonium, wherein said optional substituents are independently selected from C<sub>1-4</sub> alkyl, hydroxyl and halogen

R<sub>12</sub> and R<sub>13</sub> are independently selected from the group consisting of hydrogen, optionally substituted C<sub>1-10</sub> alkyl, optionally substituted C<sub>2-10</sub> alkenyl, optionally substituted C<sub>2-10</sub> alkynyl, optionally substituted C<sub>3-10</sub> cycloalkyl, optionally substituted arylalkyl, optionally substituted alkylheteroaryl, optionally substituted amino-C<sub>1-6</sub>-alkylsulfonate, optionally substituted amino-C<sub>1-6</sub>-alkylphosphonate, optionally substituted amino-C<sub>1-6</sub>-alkyl-guanidiny, and optionally substituted amino-C<sub>1-6</sub>-alkyl-tri(C<sub>1-6</sub>-alkyl)ammonium, wherein said substituents are independently selected from C<sub>1-3</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>; or

R<sub>12</sub> and R<sub>13</sub>, together with the nitrogen atom to which they are attached may form an optionally substituted heterocycloalkyl group, wherein said substituents are independently selected from C<sub>1-3</sub> alkyl, hydroxyl, halogen, amino, and C(O)OR<sub>11</sub>.

10. (Withdrawn): The method according to claim 9, wherein said compound is a compound of Formula (I) as defined in claim 1.

11. (Withdrawn): The method according to claim 9, wherein the infection is a fungal infection.

12. (Withdrawn): The method according to claim 9, wherein the infection is a bacterial infection.

13. (Withdrawn): A method of inhibiting phospholipase in an organism comprising contacting said organism with an effective amount of at least one compound of Formula (I) or at least one compound of Formula (II).

14. (Withdrawn): The method according to claim 13, wherein the organism is selected from bacteria, fungi, virus, and parasite.

15. (Withdrawn): The method according to claim 13, wherein the phospholipase is Phospholipase B.

16. (Withdrawn): The method according to claim 13, wherein the organism is selected from the group consisting of: bacteria, fungi and virus.

17. (Withdrawn): A method for identifying an antimicrobial agent comprising contacting microbial cells with a compound of Formula (I) or Formula (II) suspected of having antimicrobial properties, determining whether said compound inhibits a microbial phospholipase enzyme, wherein inhibition of said phospholipase enzyme indicates antimicrobial activity, and thereby identifying an antimicrobial agent.

18. (Canceled).

19. (Canceled).